



VIAjet™ T-Series

HIGH-RESOLUTION PIEZO INKJET



About VIAjet™ T-Series

Matthews' VIAjet high-resolution piezo inkjet printheads provide exceptional high-definition readability on porous substrates like corrugated cartons. The T-Series offers superior ink efficiency with our exclusive re-circulating auto prime function that allows for up to 35% less ink consumption. The 4" (102 mm) printheads can be stitched together for large branding and graphics, allowing you to replace costly labels and pre-printed carton inventory. With the ability to print with a vertical, horizontal, or down orientation, the VIAjet T-Series performs well on a range of porous packaging and in challenging industrial environments.

- + Up to 4" (102mm) high images and codes with a single printhead or use the power of MPERIA® to seamlessly stitch multiple printheads, creating a mark of up to 80" (2m)
- + Unique re-circulating automatic cleaning system keeps print quality perfect and reduces ink consumption
- + Available in side-printing or down-printing configurations
- + Detailed real time view of what is currently printing
- + Repairable/serviceable printhead, lowering total cost of ownership
- + High-speed printhead for demanding applications

Engineered Solutions

Partner with Matthews and let us put our experience and technical know-how to work for you. We can design and develop specific solutions to help you increase productivity, reduce waste, and improve overall efficiency.

MATTHEWS MARKING SYSTEMS SPECIALIZES IN:

- + Traversing Systems
- + Logos and Kickplates
- + Custom Mounting
- + Custom Software
- + Custom User Interfaces
- + Controls and Integration
- + Material Handling
- + Turn-key Automation

1 Quality Engineering.

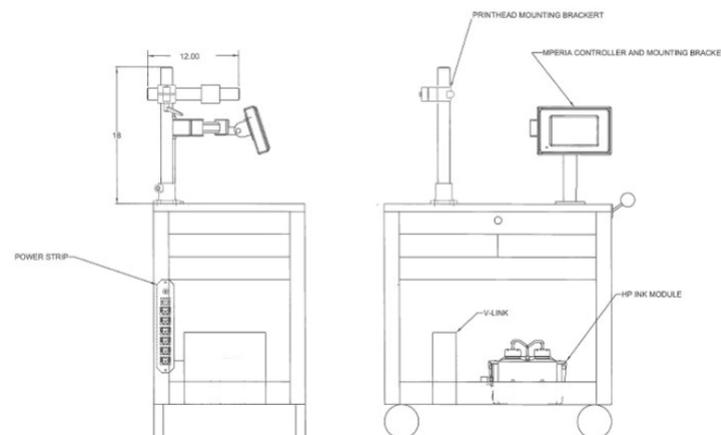
Don't leave your investment in the hands of third-party integrators. We're the experts at customizing our products to your specifications.

2 Save Time and Money.

We do the work so you don't have to. Avoid costly shortcuts and work-arounds by integrating to your specifications right from the start.

3 Maximize Productivity.

Get your line up and running with minimal interruptions on site, so your team can focus on what they do best.



VIAjet™ T-Series

Replace expensive labels with the VIAjet T-Series and reap the benefits of exceptional print resolution and versatility along with unparalleled levels of readability.



T-Series Printheads



T50E

- + Print height: 2" (51 mm)
- + Print speed: High quality barcodes up to 276 ft/min (84m / min)
- + Print direction: horizontal (side)
- + High quality barcodes at a print distance of over 1/4" (6.4 mm)



T100E

- + Print height: 4" (102 mm)
- + Print speed: High quality barcodes up to 276 ft/min (84m / min)
- + Print direction: horizontal (side)
- + High quality barcodes at a print distance of over 1/4" (6.4 mm)



T100SE

- + Print height: 4" (102 mm)
- + Print speed: High quality barcodes up to 276 ft/min (84m / min)
- + Print direction: vertical (down)
- + High quality barcodes at a print distance of over 1/4" (6.4 mm)



1 Lower Costs.

Switching to direct carton marking is significantly less expensive than using labels or pre-printed boxes.

2 Improve Quality.

High-resolution quality and spot color for barcodes and graphics produce clean, highly visible marks, even on darker substrates.

3 Reduce Downtime.

No more label machine jams or pre-printed box changes stopping your production line. Our low-maintenance direct carton printers pair with our MPERIA® marking and coding automation platform for easy message changes without the downtime.

4 Scalable Solution.

Easily scale up without sacrificing quality. Get clear, crisp marks at high speeds with the ability to add multiple printheads for larger marks.

MPERIA®

LESS EFFORT, MORE CONTROL

An automation platform that adapts to you, not the other way around. Easily integrate your existing environment using your current enterprise systems and legacy equipment. No custom software or server hardware required.

The MPERIA marking and coding automation platform provides a flexible architecture and a library of plug-ins to keep integration costs down, even for the most complex configurations.

MPERIA makes integration easy:

- + No expensive middleware or servers
- + No 3rd party integrators
- + No changes to your existing equipment or process
- + Data security without the IT headache
- + Unlimited number of printheads
- + Stitching printheads

- + Improve the efficiency of your print operations and increase production line productivity
- + Easily integrate your existing environment using your current enterprise systems and legacy equipment. No custom software or server hardware required
- + Scale up easily – add equipment to your line or expand to multiple plant locations. MPERIA's unparalleled performance will keep up



Our Inks

Our piezo inks are developed for extremely high-resolution printing of barcodes, labels, graphics, symbology and text, making it the ideal solution for case coding on porous surfaces. Its UV resistance and opacity provide optimal scanning repeatability and IR readability.

EasyCode™

Matthews Marking Systems' EasyCode, a dye-based ink for use with VIAjet™ T-Series printers is optimal for both porous and semi-porous substrates. Available in a wide array of colors, EasyCode has an impressive 18-month shelf life, so you're never out of stock.

AccuScan™

Boasting superior barcode readability and dry time, Matthews' AccuScan ink is a pigment-based ink available in black, blue and red. With its exceptional resistance to heat and humidity, AccuScan has a shelf life of 18 months.

Color Match Program

Matthews Marking Systems offers a unique Color Match Program for EasyCode inks to ensure brand consistency where Pantone color-matching and spot color marking and coding is important. The program consists of:

- + Color Matching of Pantone Color
- + Customer provides Pantone Color or other tone to use a baseline
- + Customer provides samples of substrate for ink testing
- + Matthews Marking Systems provides three rounds of sampling and approvals

VIAjet™ T-Series Specs

MPERIA® Controller⁽¹⁾

- + Controls multiple production lines
- + Combine multiple inkjet technologies
- + Stack printheads for extra print height
- + Touchscreen interface (available 7"–15")
- + Built-in database
- + Network-ready
- + Simple message creation & editing
- + Application-specific plugins
- + Password-protected user levels
- + Troubleshooting/maintenance screens
- + Virtually no storage limits for number of messages/logos, message length, types of barcodes and time codes, etc.
- + On-board image editor
- + Virtual simulator
- + Intuitive program design
- + Windows/Codesoft driver
- + TrueType fonts, grayscale and color images
- + Guided installation/configuration
- + Multilingual with full BIDI support

Communications & Networking

- + Ethernet-based with advanced connectivity possibilities for ERP systems, computers, PLCs
- + Remote User Interface control via VNC

Print Capabilities

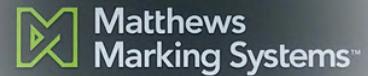
- + TrueType fonts with unique ink-saving print density and object color settings
- + On-line cost per mark & ink usage calculator
- + Static and dynamic text fields
- + User-editable variable fields
- + Customizable date and time codes
- + Customizable sequential and batch counters
- + Barcodes (GS1-128, GS1 DataBar, EAN-8/13, UPC-A, ITF/ITF-14, Code 39/128)
- + 2D codes (GS1-Data matrix, Data matrix, QR & Micro QR code)

(1) Find detailed information about our MPERIA® controllers on the MPERIA® controller data sheet.

(2) Typically 50-104 °F/10-40°C, 10-80% RH (non-condensing). For more information see data sheet for the ink that is being used.

About Us

We are a global provider of marking and coding solutions designed to perform their best on high-demand, high-capacity production lines, where reliability is a must. We are a true partner, customizing our solutions to your requirements and building with high-quality materials to provide many years of service.



Expertise, Applied

We make printing the most reliable step in your production line by leading in three critical areas:

1 Innovation.

We maintain a technical advantage over competitors, investing in the continuous improvement of our marking solutions.

2 Flexibility.

No matter what you're trying to mark, no matter how your production lines are setup, we'll make it happen.

3 Know-How.

We understand your industry and speak your language, building solutions that fit your world.



matthewsmarking.com

ABOUT MATTHEWS MARKING SYSTEMS

Nordics | Mölndal, Sweden | O: +46 31 338 7900 | matthewsmarking.se

EMEA | Aschau, Germany | O: +49 8052 95110 | matthewsmarking.de

Americas | Pittsburgh, PA | O: +1800 775 7775 | matthewsmarking.com

APAC | Kuala Lumpur, Malaysia | O: +86 10 8879 6525 | matthewsmarking.cn